

Title (en)  
MONOBACTAM COMPOUNDS AND USE THEREFOR

Title (de)  
MONOBACTAMVERBINDUNGEN UND VERWENDUNG DAVON

Title (fr)  
COMPOSÉS MONOBACTAMES ET LEUR UTILISATION

Publication  
**EP 3882246 A4 20211229 (EN)**

Application  
**EP 19885506 A 20191112**

Priority  
• CN 201811348908 A 20181113  
• CN 2019117472 W 20191112

Abstract (en)  
[origin: EP3882246A1] Monobactam compounds and a use therefor. Specifically provided are chemical compounds represented by formula (I) or isomers, pharmaceutically acceptable salts, solvates, crystals, or prodrugs thereof, preparation methods therefor, pharmaceutical compositions containing said compounds, and a use of said compounds or compositions in treating bacterial infection. The present compounds feature excellent antibacterial activity, and have great hopes of becoming a therapeutic agent for bacterial infection.

IPC 8 full level  
**C07D 417/14** (2006.01); **A61K 31/427** (2006.01); **A61K 31/437** (2006.01); **A61K 31/4439** (2006.01); **A61K 31/4709** (2006.01);  
**A61P 31/04** (2006.01)

CPC (source: CN EP KR US)  
**A61K 31/427** (2013.01 - EP KR); **A61K 31/4439** (2013.01 - EP KR); **A61K 31/4725** (2013.01 - EP KR); **A61K 31/496** (2013.01 - EP KR);  
**A61K 31/551** (2013.01 - EP); **A61P 31/04** (2017.12 - CN EP KR US); **C07D 417/14** (2013.01 - CN EP KR US);  
**C07D 471/04** (2013.01 - CN EP US); **C07D 487/04** (2013.01 - CN EP KR US); **Y02A 50/30** (2017.12 - EP)

C-Set (source: EP)  
1. **A61K 31/427 + A61K 2300/00**  
2. **A61K 31/4439 + A61K 2300/00**  
3. **A61K 31/496 + A61K 2300/00**  
4. **A61K 31/4725 + A61K 2300/00**  
5. **A61K 31/551 + A61K 2300/00**

Citation (search report)  
• [IDA] WO 2017106064 A1 20170622 - MERCK SHARP & DOHME [US], et al  
• See references of WO 2020098635A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3882246 A1 20210922; EP 3882246 A4 20211229**; CA 3119394 A1 20200522; CN 111171014 A 20200519; CN 111171014 B 20231107;  
CN 112771040 A 20210507; CN 112771040 B 20221018; JP 2022507470 A 20220118; KR 20210083285 A 20210706;  
TW 202024068 A 20200701; US 2022002288 A1 20220106; WO 2020098635 A1 20200522

DOCDB simple family (application)  
**EP 19885506 A 20191112**; CA 3119394 A 20191112; CN 201911103555 A 20191113; CN 2019117472 W 20191112;  
CN 201980062340 A 20191112; JP 2021526436 A 20191112; KR 20217015064 A 20191112; TW 108141067 A 20191112;  
US 201917291273 A 20191112